

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-24: (canceled)

Claim 25 (new): On a weapon having a structure including components that engage in dynamic activity upon said weapon being operated and being of the type adapted to carry a load of ammunition, discharge a round, and following a cycle, automatically reload a next round of ammunition from said load,

a battery powered microprocessor based assembly, in combination with piezoelectric transducer means, including provisions to store and run at least one program and to detect and track the depletion process of a load of ammunition, wherein:

said piezoelectric transducer means is adapted and adequately coupled to said weapon, as to generate electrical impulses substantially resulting from induced stresses, induced into said transducer means by the dynamic activity taking place upon said weapon being operated,

and in which, provisions are made as to selectively track and correlate in time, portions of said electrical impulses with portions of said weapon operation dynamic event sequence,

in which further provisions are made such that detected, tracked and correlated portions of electrical impulse sequences thusly generated, can be utilized to determine at least if said weapon was discharged and has automatically reloaded, or if it has only been discharged,

Claim 26 (new): The assembly of claim 25 in which said assembly is adapted to be responsive and to become enabled from a lower power wait state upon said weapon being operated.

Claim 27 (new): The assembly of claim 26 in which said assembly is adapted to automatically return to said lower power wait state.

Claim 28 (new): The assembly of claim 25 in which said assembly contains at least one control means.

Claim 29 (new): The assembly of claim 28, in which provisions are made, as to allow programming of said assembly by the user by operating said control means.

Claim 30 (new): The assembly of claim 25 in combination with a switching device adapted to function as a weapon component status detector.

Claim 31 (new): The assembly of claim 30 in which said switching device functions also as a control means.

Claim 32 (new): The assembly of claim 25 in which said transducer means may include more than one transducer component.

Claim 33 (new): The assembly of claim 25 in which a weapon operation event detecting means capable of detecting inclination is used.

Claim 34 (new): The assembly of claim 25 in which said assembly has provisions for activating signal means regarding ammunition load status.

Claim 35 (new): The assembly of claim 34 in which said signal means is visual in nature.

Claim 36 (new): The assembly of claim 35, in which said signal means is conformed by a plurality of luminous colored light generators adapted to illuminate in a relation to said load of ammunition being depleted, being said signal means adapted to said weapon as an accessory to said weapon in such manner that it provides to the user with a substantially visible report of the progressive consumption of said load of ammunition.

Claim 37 (new): The assembly of claim 35, in which said signal means is built into a component integral of said weapon in such manner that it provides to the user with a substantially visible report of the progressive consumption of said load of ammunition.

Claim 38 (new): The assembly of claim 36 in which a correlation between said signal means and the progressive consumption of said load of ammunition can be programmed by the user.

Claim 39 (new): The assembly of claim 25 in which said assembly has non volatile data storage provisions.

Claim 40 (new): The assembly of claim 25 in which said assembly has provisions for establishing and recording on said data storage provisions, date and time information regarding weapon discharge events.

Claim 41 (new): The assembly of claim 39, in which provisions are made as to embed and retrieve user traceable information.

Claim 42 (new): The assembly of claim 39 in which said assembly has access provisions to retrieve previously recorded data.

Claim 43 (new): The assembly of claim 39 in which said data storage provisions include security limiting means for accessing said stored data.

Claim 44 (new): The assembly of claim 25 in which data communication provisions are made, as to allow programmability of the assembly.

Claim 45 (new): The assembly of claim 25 in which the output of said piezoelectric transducer means is electrically modified.

Claim 46 (new): The assembly of claim 45 which modification of said electrical impulses may include some level of signal conditioning

Claim 47 (new): The assembly of claim 45 which modification of said electrical impulses may include conversion into an increased electrical pulse.

Claim 48 (new): The assembly of claim 25 in which said transducer means is adapted with vibration dampening provisions.